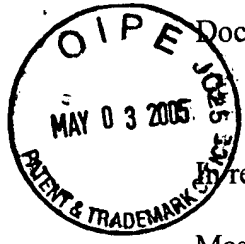


1 for COFC



Docket No.: 050427-0707

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Initial Application of	:	Customer Number: 20277
	:	
Masao FUKUYAMA, et al.	:	Confirmation Number: 2879
	:	
Application No.: 09/577,137	:	Group Art Unit: 2879
Patent No.: 6,831,406 B1	:	
	:	
Filed: May 24, 2000	:	Examiner: Patel
Issued: December 14, 2004	:	
	:	
For: ELECTROLUMINESCENT DEVICE HAVING A VERY THIN EMISSION LAYER		

REQUEST FOR CERTIFICATE OF CORRECTION UNDER 37 CFR 1.322

Mail Stop Box 4 / Certificate of Correction
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In reviewing the above-identified patent, a printing error was discovered therein requiring correction in order to conform the Official Record in the application.

The error noted is set forth on the attached copy of form PTO-1050 Rev. 2-93 in the manner required by the Commissioner's Notice.

Specifically, on the title page of the patent, the third and sixth references under 'OTHER PUBLICATIONS' contain typographical errors as shown on the attached Form 1050. That is, in the third reference, in line 2, the word "Devcies" should read --**Devices**--. Moreover, in the sixth reference, in line 2, the phrase "multiple-quantium-well" should read --multiple-**quantum**-well--.

A copy of the initialed Form 1449 showing the correct versions of the words is attached.

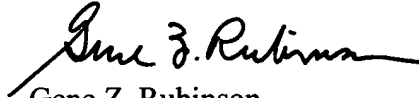
In addition, claim 1, in Column 14, line 56, the phrase “transporting electrons of holes” should read -- transporting electrons or holes --. A copy of the relevant pages of Applicant’s amendment of October 3, 2003, showing the correct version of claim 1, is attached for your information and convenience.

The change requested herein occurred as a result of printing the Letters Patent and the Certificate should be issued without expense under Rule 322 of the Rules of Practice. Accordingly, Applicants request issuance of the Certificate of Correction.

Please charge any shortage in fees due in connection with the filing of this paper to Deposit Account 500417 and please credit any excess fees to such deposit account.

Respectfully submitted,

McDERMOTT WILL & EMERY LLP



Gene Z. Robinson

Registration No. 33,351

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Facsimile: 202.756.8087
Date: May 3, 2005

**Please recognize our Customer No. 20277
as our correspondence address.**

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,831,406 B1

DATED : December 14, 2004

INVENTOR(S) : Masao FUKUYAMA, et al.

It is certified that error appears in the above-identified patent and that said Letter Patent is hereby corrected as shown below:

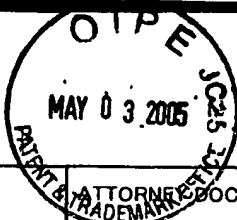
ON THE TITLE PAGE,

the third reference under "OTHER PUBLICATIONS", lines 2-3,
change "Electroluminescent Materials, Devcies, and Large-Screen Displays"
to -- Electroluminescent Materials, Devices, and Large-Screen Displays --;

the sixth reference under "OTHER PUBLICATIONS ", lines 1-2,
change "Effect of well number on organic multiple-quantium-well
electroluminescent device characteristics" to
-- Effect of well number on organic multiple-quantum-well electroluminescent
device characteristics --;

IN THE CLAIMS,

Column 14, line 56, change "transport layer capable of transporting
electrons of holes" to " transport layer capable of transporting electrons or
holes --.



PTO-1449 PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION (Use several sheets if necessary) Sheet 1 of 1	ATTORNEY DOCKET NO. 50427-707	SERIAL NO. 09/577,137
	APPLICANT Masao FUKUYAMA et al.	
	FILING DATE May 24, 2000	GROUP 2879

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
	ab	"Progress in organic multilayer electroluminescent devices" by Saito et al., Electroluminescent Materials, Devices, and Large-Screen Displays, SAN JOSE, CA, USA, 1-2 FEB. 1993, vol. 1910, pages 212-221. ✓
		"Organic electroluminescent device with cyanine dye Langmuir-Blodgett film as an emitter" by Era et al., Thin Solid Films, Elsevier-Sequoia S.A. Lausanne, CH, vol. 210/211, no. 1/2 part 2, 30 April 1992, pages 468-470. ✓
		"Confinement of charge carriers and molecular excitons within 5-nm-thick emitter layer in organic electroluminescent devices with a double heterostructure" by Adachi et al., Applied Physics Letters, American Institute of Physics, New York, U.S., vol. 57, no. 6, 6 August 1990, pages 531-533. ✓
		"Effect of well number on organic multiple-quantum-well electroluminescent device characteristics" by Huang et al., Applied Physics Letters, American Institute of Physics, New York, U.S., vol. 73, no. 23, 7 December 1998, pages 3348-3350. ✓
		"Electroluminescence in Organic Films with Three-Layer Structure" by Adachi et al., Japanese Journal of Applied Physics, Publication Office Japanese Journal of Applied Physics, Tokyo, JP, vol. 27, no. 2, February 1988, pages L269-L271. ✓
	ab	"Emission Mechanism in Rubrene-Doped Molecular Organic Light-Emitting Diodes: Direct Carrier Recombination at Luminescent Centers" by Murata et al., IEEE Journal of Selected Topics in Quantum Electronics, IEEE Service Center, U.S., vol. 4, no. 1, 1998, pages 119-124. ✓

EXAMINER: Ashh	Date Considered: 4/18/04
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Applicant: Masao FUKUYAMA, et al. Docket No. 50427-707

Title: ELECTROLUMINESCENT DEVICE HAVING A VERY THIN EMISSION LAYER

Date Sent: 10/3/2003 ☒ Hand Carried ☐ Fax ☐ Electronic ☐ Cert. of Mailing ☐ Express Mail No. 09/577,137

☐ Transmittal Letter

New Patent App ☐ Utility ☐ Design ☐ Cont. ☐ CIP ☐ Div. ☐ PCT ☐ RCE ☐ Prov

Other: ☐ Letter submitting _____ pages of drawings

☐ Req. for Approval of Drawing Amendments

☐ Req. for Oral Hearing

☐ Not. of Appeal ☐ Appeal Brief ☐ Reply Brief

☐ Rule 312 Amendment/Letter

☐ Req. for Acknowledgement of Cited Art

☐ Issue Fee

☐ Publication Fee

☐ Req. for Certificate of Correction

☐ Maintenance Fee for _____ years after grant

☐ Fee Address Indication Form

☐ Terminal Disclaimer

☐ Petition to Commissioner

☐ Status Inquiry

☐ Other _____

☐ pages of Specification

☐ pages of Claims

☐ pages of Abstract

☐ pages of Formal/Informal Drawings

☐ Small Entity ☐ Large Entity

☐ Declaration/Power of Attorney

☐ Recordation of Assignment/Security Agreement

☐ Information Disclosure Statement

☐ Form PTO 1449

☐ _____ copies of cited references

☐ Preliminary Amendment

☐ Response to Missing Parts Notice

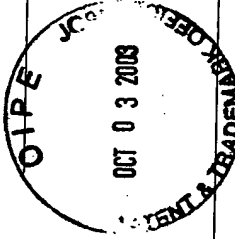
☐ Resp. to Notice to Correct App. Papers

☐ Certified Copy of Priority Doc.

☐ Claim for Convention Priority

☒ Response/Amendment to Office Action of _____ June 4, 2003

☒ Request for 1 month Extension of Time

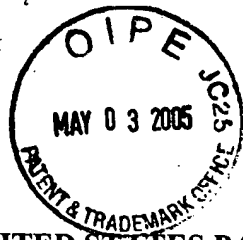


Check for \$	<input checked="" type="checkbox"/> Charge Deposit Acct. 500417\$	\$110.00	Atty Init.	EJW	Trkr. #	4237	Secy. or PL:	DM. Davis
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CMS Descip.: (6) \$110.00

THE PATENT AND TRADEMARK OFFICE DATE STAMPED HEREON IS ACKNOWLEDGEMENT THAT THE ITEMS, CHECKED ABOVE, WERE RECEIVED BY THE PTO ON THE DATE STAMPED.

Docket No.: 50427-707



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Masao FUKUYAMA, et al.
: Customer Number: 20277
:
Serial No.: 09/577,137 : Confirmation Number: 5082
:
Filed: May 24, 2000 : Group Art Unit: 2879
:
: Examiner: PATEL, Ashok

For: ELECTROLUMINESCENT DEVICE HAVING A VERY THIN EMISSION LAYER

AMENDMENT UNDER 37 CFR 1.111

Mail Stop Non-Fee Amendment
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The following amendment and remarks are submitted in response to the Official Action
mailed June 4, 2003.

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

✓ 1. (Original) An organic electroluminescent device, which comprises a pair of electrodes, and a layer structure provided between the pair of electrodes and including a charge transport layer capable of transporting electrons or holes and an emission layer comprising a major proportion of an organic material capable of emitting light on application of a voltage thereto via the pair of electrodes, wherein the organic material undergoes concentration quenching and said emission layer has a thickness of 4 nm or below.

2. (Currently Amended) [[An]] The organic electroluminescent device according to Claim 1, wherein said emission layer consists essentially of the organic material.

3. (Currently Amended) [[An]] The organic electroluminescent device according to Claim 1, wherein said emission layer is the form of islands.

4. (Currently Amended) [[An]] The organic electroluminescent device according to Claim 1, wherein said layer structure includes a hole transport layer and an electron transport layer wherein said emission layer is provided between said hole transport layer and said electron transport layer.